

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A recording system for recording a broadcasting program PVR (Personal Video Recorder) system comprising:

a channel demodulating part configured to receive and demodulate ~~a~~the broadcasting program on a particular channel;

a storage medium configured to store the broadcasting program;

~~an EPG parsing part configured to extract information on the broadcasting program intended to record from a data demodulated at the channel demodulating part;~~

~~an upload/download controlling part a controller configured to receive the broadcasting program intended to record from the channel demodulating part, to store the broadcasting program in the storage medium, to initialize identifying information for identifying a success of recording of the broadcasting program intended to record in response to an external a recording command signal, control to maintain identifying information of broadcasting programs other than a single broadcasting program and record the single broadcasting program in the storage medium if the user requests recording of more than one broadcasting programs at a same time to control reproduction of the broadcasting program stored in the storage medium in response to an external recording/reproduction signal, and to change the identifying information of the single broadcasting program if the recording of the single broadcasting program intended to record is successful, and to control the EPG parsing part; and~~

~~a re-recording processing part configured to store the identifying information and information on the broadcasting program intended to record, and, to identify the identifying information of the broadcasting programs, to and request re-transmission of the broadcasting programs program intended to record through a network when the identification information of broadcasting programs is not changed.~~

2. (Currently Amended) The PVR-recording system as claimed in claim 1, wherein the channel demodulating part includes:

a channel receiving part configured to tune to, and demodulate a broadcasting signal on a particular channel, and to forward in a form of a transport TP stream; and

a TP processing part configured to split the TP stream from the channel receiving part into an audio PES stream, a video PES stream, and a data stream.

3. (Currently Amended) The PVR-recording system as claimed in claim 1, wherein the storage medium is a hard disc.

4-5. (Canceled).

6. (Currently Amended) The PVR-recording system as claimed in claim 1, wherein the ~~upload/download controlling part~~controller is further configured to initialize the identifying information including a recording flag value at the ~~re-recording~~recording processing part to a first identifying information value in response to the ~~external~~recording command signal, to set the first identifying information value to a second identifying information value if the recording of the broadcasting program intended to record is successful, and controls to maintain the first identifying value as it is if the recording of the broadcasting program intended to record fails.

7. (Currently Amended) The PVR-recording system as claimed in claim 6, wherein the upload/download controlling part is further configured to set the first identifying information value to '1', and to reset the second identifying information value to '0'.

8. (Currently Amended) The PVR-recording system as claimed in claim 1, wherein the ~~re-recording~~recording processing part includes:

a recording parameter storage part configured to store the identifying information and information on the broadcasting program intended to record; and

a network interface part configured to identify the identifying information, to request the re-transmission of the broadcasting program intended to record through the network when recording of the broadcasting program intended to record fails.

9. (Currently Amended) The PVR-recording system as claimed in claim 8, wherein the recording parameter storage part is a ROM (read-only memory).

10. (Currently Amended) The PVR-recording system as claimed in claim 8, wherein the recording parameter storage part includes one bit of an identifying information field, 20 bits of a record starting time field, 20 bits of a record end time field, and 7 bits of a channel information field.

11. (Currently Amended) The PVR-recording system as claimed in claim 10, wherein the record starting time field, or the record end time field includes 4 bits of a month field, 5 bits of a day field, 5 bits of an hour field, and 6 bits of a minute field.

12. (Currently Amended) The PVR-recording system as claimed in claim 8, wherein the network interface part isincludes at least one of a LAN Card and or a MODEM.

13. (Currently Amended) The PVR-recording system as claimed in claim 8, wherein the network interface part is further configured to be connected to a program server or a broadcasting station for communication.

14. (Currently Amended) A method for recording a broadcasting program video-in a PVR (Personal Video Recorder)recording system having a storage medium for storing athe broadcasting program intended to record, and a re-recordingrecording processing part having a recording parameter storage part and a network interface part, the method comprising:

setting a recording parameter field at the recording parameter storage part, storing information on the broadcasting program intended to record and identifying information for identifying a success of recording of the broadcasting program in the recording parameter field, according to a user's recording setting information;

controlling to maintain identifying information of broadcasting programs other than a single broadcasting program if the user requests recording of more than one broadcasting programs at a same time;

writing recording the single broadcasting program on the storage medium according to the information on the single broadcasting program;

changing the identifying information of the single broadcasting program if the recording of the single broadcasting program is successful;

determining the success of recording of the broadcasting program according to whether the identifying information of the broadcasting programs is changed; and

if the recording of the broadcasting program—programs fails as a result of the determination, requesting re-transmission of the broadcasting program—intended to record programs through the network interface part.

15. (Previously Presented) The method as claimed in claim 14, wherein the user's recording setting information is information related to at least one of a recording operation, a scheduled recording operation, and a time shift operation.

16. (Previously Presented) The method as claimed in claim 14, wherein the recording parameter field includes one bit of an identifying information field, 20 bits of a record starting time field, 20 bits of a record end time field, and 7 bits of a channel information field.

17. (Previously Presented) The method as claimed in claim 16, wherein the record starting time field, or the record end time field includes 4 bits of a month field, 5 bits of a day field, 5 bits of an hour field, and 6 bits of a minute field.

18. (Currently Amended) The method as claimed in claim 14, wherein the information on the broadcasting program information includes channel information, a record starting time, and a record end time of the recording program, and the record starting time is a starting time of

the program intended to record in a case of the scheduled recording, and a time when a recording/time shift button is pressed in a case of a direct recording or a time shift operation.

19. (Currently Amended) The method as claimed in claim 14, wherein the step of changing the identifying information comprises further comprising:

(a) determining a successive recording of the single broadcasting program-intended to record; and

(b) changing the identifying information of the single broadcasting program value stored in the recording parameter storage part if the recording is successful as a result of the determination, and maintaining controlling to maintain the identifying information of the single broadcasting program value stored in the recording parameter storage part as it is if the recording fails, after the step of writing recording the single broadcasting program on the storage medium.

20. (Currently Amended) The method as claimed in claim 19, wherein the step (b) further includes :

resetting the identifying information of the single broadcasting program value set to '1' at the recording parameter storage part to '0' if the recording is successful as a result of the determination; and

maintaining controlling to maintain the identifying information of the single broadcasting program value set to '1' at the recording parameter storage part as it is if the recording fails.

21. (Currently Amended) The method as claimed in claim 19, further comprising changing the identifying information of the single broadcasting program value stored in the recording parameter storage part if there is a user's record stop request.

22. (Canceled).

23. (Currently Amended) The method as claimed in claim 14, further comprising:
transmitting the information on the broadcasting program having recording thereof failed
to a program server or a broadcasting station; and
re-receiving the broadcasting program having recording thereof failed from the program
server or the broadcasting station, and writing recording the broadcasting program having
recording thereof failed, after the step of requesting re-transmission of the broadcasting
programsprogram intended to record through the network interface part.

24. (Original) The method as claimed in claim 23, wherein the information on the
transmitted broadcasting program is a program ID for matching to the program.

25-26. (Canceled).

27. (Previously Presented) The method as claimed in claim 14, further comprising:
if the recording of the broadcasting program fails as a result of the determination,
renewing the information on the broadcasting program stored in the recording parameter storage
part.

28. (Previously Presented) The method as claimed in claim 27, wherein the step of
renewing the information on the broadcasting program stored in the recording parameter storage
part further includes:

re-receiving program related information from the program server or the broadcasting
station; and

overwriting the program related information on a relevant position of the recording
parameter storage part, and scheduling writing of the program automatically by using a stored
record starting time, and a record end time.

29. (Previously Presented) The method as claimed in claim 28, wherein the overwritten program related information includes channel information, a record starting time, and a record end time of a recording program.

30. (Canceled)